

ABSTRACT OF THE DISCLOSURE

A base station has a time correlation calculating unit for estimating a variation-with-time characteristic of radio link quality using radio
5 downlink quality information reported by a mobile station, a target error rate setting unit for changing over a target error rate adaptively using this variation-with-time characteristic, and an MCS decision unit for deciding a modulation scheme and/or encoding
10 rate, in such a manner that packet error rate becomes equal to the target error rate, using the radio link quality information as well as reception success/failure information reported by the mobile station. The base station transmits a packet based
15 upon the modulation scheme and/or encoding rate decided.